

SECONDARY EDUCATION BIOLOGICAL SCIENCE 9-ADULT

REQUIREMENTS

CORE CURRICULUM The Core Curriculum is designed to foster critical thinking skills and introduce students to basic domains of thinking that transcend disciplines. The Core applies to all majors. Information on specific classes in the Core can be found at marshall.edu/gened.

CORE 1: CRITICAL THINKING

| CODE | COURSE NAME | HRS | GRADE |
|---------|--------------------------|-----|-------|
| FYS 100 | First Year Seminar | 3 | _____ |
| _____ | Critical Thinking Course | 3 | _____ |
| _____ | Critical Thinking Course | 3 | _____ |

CORE 2:

| CODE | COURSE NAME | HRS | GRADE |
|----------------|---------------------------|-----|-------|
| ENG 101 | Composition I | 3 | _____ |
| ENG 201 | Composition II | 3 | _____ |
| CMM 103 | Fund Speech-Communication | 3 | _____ |
| MTH 127 or 130 | College Algebra | 3 | _____ |
| BSC 120 | Principles of Biology | 4 | _____ |
| _____ | Humanities | 3 | _____ |
| _____ | Fine Arts | 3 | _____ |
| _____ | Social Science | 3 | _____ |

Additional University Requirements

| | | | |
|--------|--------------------------------|----|-------|
| _____ | Writing Intensive | 3 | _____ |
| _____ | Writing Intensive | 3 | _____ |
| _____ | Multicultural or International | 3 | _____ |
| CI 450 | Capstone | 12 | _____ |

TEACHING SPECIALIZATION

All Biological Science 9-Adult majors are required to take the following courses:

| CODE | COURSE NAME | HRS | GRADE | CODE | COURSE NAME | HRS | GRADE |
|-------------------|----------------------------|-----|-------|----------|--------------------------------|-----|-------|
| MTH 122 | Plane Trigonometry | 3 | _____ | BSC 416 | Plant Taxonomy | 4 | _____ |
| MTH 127 or 130 | College Algebra | 3 | _____ | CHM 211 | Principles of Chemistry I | 3 | _____ |
| BSC 120 | Principles of Biology | 4 | _____ | CHM 217 | Principles of Chemistry I Lab | 2 | _____ |
| BSC 121 | Principles of Biology | 4 | _____ | CHM 212 | Principles of Chemistry II | 3 | _____ |
| BSC 227 | Human Anatomy | 4 | _____ | CHM 218 | Principles of Chemistry II Lab | 2 | _____ |
| BSC 302, 430, 460 | BSC Elective | 3-4 | _____ | GLY 200 | Physical Geology | 3 | _____ |
| BSC 312 | Invertebrate Zoology | 4 | _____ | GLY 210L | Earth Materials Lab | 1 | _____ |
| BSC 320 | Principles of Ecology | 4 | _____ | PHY 201 | College Physics I | 3 | _____ |
| BSC 322 | Principles of Cell Biology | 4 | _____ | PHY 202 | General Physics I Lab | 1 | _____ |
| BSC 324 | Principles of Genetics | 4 | _____ | PS 325 | Dev Scientific Thought | 4 | _____ |
| | | | | BSC 491 | Capstone Experience | 2 | _____ |

PROFESSIONAL EDUCATION CORE

Students who wish to major in Biological Science 9-Adult must take the following Professional Education Core courses:

| CODE | COURSE NAME | HRS | GRADE | CODE | COURSE NAME | HRS | GRADE |
|----------|------------------------------|-----|-------|----------|------------------------------|-----|-------|
| CI 350 | Inst Tech & Computing | 3 | _____ | CI 345 | Crit Read Writ & Thinking | 3 | _____ |
| EDF 201 | Ed Psych Developing Learner | 3 | _____ | CI 449 | Instr & Classroom Mgt Sec Ed | 3 | _____ |
| EDF 270 | Level I Clinical Exp | 0 | _____ | CISP 422 | Differentiated Instruction | 3 | _____ |
| CISP 421 | Child with Exceptionalities | 3 | _____ | CI 415 | Int Meth & Mat: Sec Ed | 3 | _____ |
| EDF 435 | Classroom Assessment | 3 | _____ | CI 470 | Level II Clinical Exp | 0 | _____ |
| EDF 475 | Schools in a Diverse Society | 3 | _____ | CI 450 | Student Teaching (C) | 12 | _____ |

MAJOR INFORMATION

Admission requirements for ADMI 4:

- Grade Point Average of 2.80 or higher (both MU and overall), 2. EDF 201 (grade "C" or better) and EDF 270 (credit), 3. Passing scores on the PRAXIS Core exam – all 3 areas (EXEMPT from PRAXIS Core exam with SAT 1240 or ACT composite 26 or higher), 4. Portfolio in LiveText which includes: Self-Assessment, Writing Sample and three Recommendations, 5. 21 ACT composite score, 6. MU students: Completion of 26 credits hours, 7. Transfer students: Completion of 12 Marshall University credit hours

Admission requirements for ADMI 5:

- 12 hours of completed Professional Education Core courses, 2. 2.8 GPA overall, at MU, and in Teaching Specialization, 3. 3.0 GPA in Professional Education Core

Admission requirements for Student Teaching:

- At least 90% of Teaching Specialization courses completed, 2. Minimum of 100 credit hours completed, 3. 2.8 GPA overall, at MU, and in Teaching Specialization, 4. 3.0 GPA in Professional Education Core, 5. Completion of

all Professional Education Core Courses (with the exception of EDF 475)

- Many courses require clinical experience in public school during normal school hours. Schedule open time accordingly.
- STUDENTS SHOULD MONITOR THEIR PROGRAM OF STUDY CAREFULLY DUE TO ONGOING CURRICULAR CHANGES.
- ALL coursework in Teaching Specialization and Professional Education Core must be completed with a grade of C or better.
- West Virginia law mandates that all persons entering a school or having contact with students must have completed a background check and have not been found on the sexual offender registry prior to entering a school. Each county and school can also use the results of that background check as a basis for admitting or denying admittance. It is the procedure of the Marshall University College of Education and Professional Development that every student will obtain a background check prior to being placed in a school setting.

Milestone Course: This is a key success marker for your major. See your advisor to discuss importance of this course in your plan of study.

SECONDARY EDUCATION BIOLOGICAL SCIENCE 9-ADULT

The College of Education and Professional Development has the distinction of being the oldest part of Marshall University. The CIF (Curriculum, Instruction, & Foundations) program includes elementary, secondary, educational foundations, and educational computing for pre-service teachers. The secondary programs are designed for those wanting to teach content to middle school and/or high school students. The educational foundations and computing courses are designed for those entering the education field. Students receive broad content knowledge in the core academic area of choice as well as in the art and science of teaching children.

| YEAR ONE | FALL SEMESTER | | | | SPRING SEMESTER | | | |
|----------|-------------------------|--------------------------------|--------------|-------|--------------------|------------------------|-----------|-------|
| | CODE | COURSE NAME | HRS | GRADE | CODE | COURSE NAME | HRS | GRADE |
| | | Fine Arts | 3 | _____ | BSC 120 | Principles of Biology | 4 | _____ |
| | MTH 127/130 | College Algebra | 3-5 | _____ | GLY 200 | Physical Geology | 3 | _____ |
| | CMM 103 | Fund Speech Communication | 3 | _____ | GLY 210L | Earth Materials Lab | 1 | _____ |
| | ENG 101 | Beginning Composition | 3 | _____ | MTH 122 | Plane Trigonometry | 3 | _____ |
| | FYS 100 | First Yr Sem Critical Thinking | 3 | _____ | ENG 201 | Advanced Composition | 3 | _____ |
| | UNI 100 | Freshman First Class | 1 | _____ | _____ | Critical Thinking (WI) | 3 | _____ |
| | TOTAL HOURS | | 16-18 | | TOTAL HOURS | | 17 | |
| | Summer Term (optional): | | | | | | | |

| YEAR TWO | FALL SEMESTER | | | | SPRING SEMESTER | | | |
|----------|-------------------------|-------------------------------|-----------|-------|--------------------|--------------------------------|-----------|-------|
| | CODE | COURSE NAME | HRS | GRADE | CODE | COURSE NAME | HRS | GRADE |
| | BSC 121 | Principles of Biology | 4 | _____ | BSC 227 | Human Anatomy | 4 | _____ |
| | CHM 211 | Principles of Chemistry I | 3 | _____ | BSC 320 | Principles of Ecology | 4 | _____ |
| | CHM 217 | Principles of Chemistry I Lab | 2 | _____ | CHM 212 | Principles of Chemistry II | 3 | _____ |
| | CI 350 | Inst Tech & Computing | 3 | _____ | CHM 218 | Principles of Chemistry II Lab | 2 | _____ |
| | EDF 201 | Ed Psych Developing Learner | 3 | _____ | _____ | Writing Intensive (Humanities) | 3 | _____ |
| | EDF 270 | Level I Clinical Exp | 0 | _____ | | | | |
| | _____ | Social Science (CT, M/I) | 3 | _____ | | | | |
| | TOTAL HOURS | | 18 | | TOTAL HOURS | | 16 | |
| | Summer Term (optional): | | | | | | | |

| YEAR THREE | FALL SEMESTER | | | | SPRING SEMESTER | | | |
|------------|-------------------------|-----------------------------|-----------|-------|--------------------|-------------------------------|-----------|-------|
| | CODE | COURSE NAME | HRS | GRADE | CODE | COURSE NAME | HRS | GRADE |
| | BSC 322 | Principles of Cell Biology | 4 | _____ | BSC 324 | Principles of Genetics | 4 | _____ |
| | CI 345 | Crit Read Writ & Think | 3 | _____ | CI 449 | Intstr & Classroom Mgt Sec Ed | 3 | _____ |
| | CISP 421 | Child with Exceptionalities | 3 | _____ | CISP 422 | Differentiate Instruction | 3 | _____ |
| | PHY 201 | College Physics I | 3 | _____ | EDF 435 | Classroom Assessment | 3 | _____ |
| | PHY 202 | General Physics I Lab | 1 | _____ | PS 325 | Dev Scientific Thought | 4 | _____ |
| | TOTAL HOURS | | 14 | | TOTAL HOURS | | 17 | |
| | Summer Term (optional): | | | | | | | |

| YEAR FOUR | FALL SEMESTER | | | | SPRING SEMESTER | | | |
|-----------|-------------------------|-------------------------------|--------------|-------|--------------------|------------------------------|-----------|-------|
| | CODE | COURSE NAME | HRS | GRADE | CODE | COURSE NAME | HRS | GRADE |
| | BSC 312 | Invertebrate Zoology | 4 | _____ | CI 450 | Student Teaching (Capstone) | 12 | _____ |
| | BSC 416 | Plant Taxonomy | 4 | _____ | EDF 475 | Schools in a Diverse Society | 3 | _____ |
| | CI 415 | Int Meth & Mat: Sec Ed | 3 | _____ | | | | |
| | CI 470 | Level II Clinical Exp | 0 | _____ | | | | |
| | _____ | BSC Elective 302, 430, or 460 | 3-4 | _____ | | | | |
| | BSC 491 | Capstone Experience | 2 | _____ | | | | |
| | TOTAL HOURS | | 16-17 | | TOTAL HOURS | | 15 | |
| | Summer Term (optional): | | | | | | | |

Milestone Course: This is a key success marker for your major. See your advisor to discuss importance of this course in your plan of study.

● Area of Emphasis
◆ Major Requirement
■ College Requirement
● General Education Requirement

BIOLOGICAL SCIENCE 9-ADULT — 2020-2021

INVOLVEMENT OPPORTUNITIES

- Student Government Association
- Campus Activity Board
- JMELI
- Commuter Student Advisory Board
- Club Sports
- Religious Organizations
- Political Organizations
- Residence Hall Association
- Cultural Organizations
- National Society of Leadership and Success
- Greek Life

RELATED MAJORS

- Biological Science
- Biochemistry
- Chemistry
- Environmental Science
- Elementary Education
- General Science Education 5-Adult

GRADUATION REQUIREMENTS

- Have a minimum of 120 credit hours (some colleges or majors require more);
- Have an overall and Marshall Grade Point Average of 2.00 or higher;
- Have an overall Grade Point Average of 2.00 or higher in the major area of study;
- Have earned a grade of C or better in English 201 or 201 H;
- Have met all major(s) and college requirements;
- Have met the requirements of the Core Curriculum;
- Have met the residence requirements of Marshall University, including 12 hours of 300/400 level coursework in the student's college (see section entitled "Residence Requirements" in the undergraduate catalogue);
- Be enrolled at Marshall at least one semester of the senior year;
- Have transferred no more than 72 credit hours from an accredited West Virginia two-year institution of higher education.

Colleges and specific programs may have unique requirements that are more stringent than those noted above. Students are responsible for staying informed about and ensuring that they meet the requirements for graduation.

This academic map is to be used as a guide in planning your coursework toward a degree. Due to the complexities of degree programs, it is unfortunate but inevitable that an error may occur in the creation of this document. The official source of degree requirements at Marshall University is DegreeWorks available in your myMU portal. Always consult regularly with your advisor.

YEAR ONE



Have questions? Need to talk? You already have a Friend-At-Marshall ready to help you succeed. Find your FAM Peer Mentor here: www.marshall.edu/fam



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



In order to graduate on time, you need to take an average of 15 credits per semester. Are you on track? Take 15 to Finish!



Volunteer in local museums, non-profit agencies, dog shelters, hospitals, libraries, festivals, or women's shelters.



Take a career self-assessment to help determine what majors fit your talents and interests and consider job shadowing opportunities.



Join or create a club or organization on campus about a particular issue you care about. Marshall has more than 200 student organizations.



Attend an intercultural festival or event on campus or in town.

YEAR TWO



Are you completing enough credits to graduate on time? Dropping or failing a class can put you behind. Use summer terms to quickly get back on track.



Attend civic meetings, such as the school board, neighborhood associations, city council, or important state legislative sessions.



Take a pulse check. Know what you need to do every year to keep your grants, scholarships, or federal financial aid.



Develop relationships with professors who can serve as future references by attending their office hours.



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



Plan on taking the Praxis Core Exam and completing the ADMI 4 Portfolio in LiveText.



Observe in a P-12 Classroom (Complete Level I Clinical Experience)

YEAR THREE



Develop relationships with professors who can serve as future references by attending their office hours.



Take a pulse check. Know what you need to do every year to keep your grants, scholarships, or federal financial aid.



Are you on track to graduate? Meet with your advisor for your Junior Eval to make sure you know what requirements you have left.



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



Work with a faculty mentor to determine what professional certifications are available to assist you in meeting your career goals.



Inquire about available Teacher-In-Residence opportunities.



Apply theory to practice (Complete Level II Clinical Experience).

YEAR FOUR



This is it! Are you on track to graduate? Meet with your advisor for your Senior Eval to see what requirements you have left.



Stay on the Herd Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.



Networking is key! Attend a Career Expo to seek employment opportunities and network with employers in your field.



Integrate knowledge, skills, and dispositions during the Student Teaching internship.



Strengthen your resume and enhance your presentation skills. Present what you've learned at an academic conference off campus.



Be at the top of your professional game! Prepare a final resume and practice your interview skills with a career coach in Career Education.



Want to continue your education and increase your opportunities? Talk to a faculty member about whether graduate school fits your career goals.

TRANSFERABLE SKILLS ASSOCIATED WITH THIS MAJOR

- Communication Skills
- Creativity
- Instructional and Curriculum Development Skills
- Public Speaking Ability

ASSOCIATED CAREERS

- Middle/High School Science Teacher
- Public Science Center Coordinator
- Educational Coordinator
- School Administrator



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